Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/27/2019 09:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125453	0	1.56	125530	1.55
Blue	F	SSC	125000	123840	-1	1.45	124629	1.43
Blue	E	FITC	16122	15736	-3	2.82	343	20.34
Blue	D	PE	29316	29014	-2	2.02	634	14.54
Blue	B	PerCP-Cy5-5	42590	42064	-2	3.63	1128	20.15
Blue	A	PE-Cy7	33146	33054	-1	6.14	628	41.18
Red	C	APC	45473	45219	-1	2.46	1601	12.20
Red	A	APC-Cy7	31961	31108	-3	2.38	823	11.87
Violet	B	V450	7914	7504	-6	4.38	420	13.67
Violet	A	V500	29769	28451	-5	4.16	661	10.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20821	3.31	608	8	N/A	N/A	Pass
Blue	F	SSC	56287	1.06	551	13	N/A	N/A	Pass
Blue	E	FITC	63	63.54	540	3	0.0193	134	Pass
Blue	D	PE	133	50.54	543	6	0.1829	345	Pass
Blue	B	PerCP-Cy5-5	208	49.78	648	10	0.0093	71	Pass
Blue	A	PE-Cy7	116	100.12	701	10	0.0106	10	Pass
Red	C	APC	379	25.72	587	8	0.0242	172	Pass
Red	A	APC-Cy7	182	29.26	563	7	0.0058	1393	Pass
Violet	B	V450	64	61.58	464	4	0.0458	1974	Pass
Violet	A	V500	99	34.10	476	4	0.0219	761	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.04	-31.60	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	15.69	13.60 - 20.40	N/A	N/A	29.28	29.66	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9957

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments